WEST Search History

DATE: Wednesday, January 18, 2006

Hide?	Set Name	Query	Hit Count
		DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ	
☐	L73	L72 and estimat$3	4
☐	L72	L71 and (relevance near5 algorithm$1)	7
☐	L71	(multiple) same (search near5 engines) and (rank$3 same sort$3) and @py<=2003	67
☐	L70	(rank$3 same sort$3) and (search near5 engine$1) and (estimat$3 near5 values) and (estimat$3 near5 relevance) and @py<=2004	3
☐	L69	(rank$3 same sort$3) and (search near5 engine$1) and (estimat$3 near5 values) and (estimat$3 near5 relevance) and @py<=2003	2
☐	L68	L66 and ((relevance near5 values) same (search near5 result$1))	1
☐	L67	L66 and (relevance neaer5 values)	0
☐	L66	L65 and rank$3	116
☐	L65	'search engines'.ti. and @py<=2003	844
☐	L64	L63 and estimat$3	8
☐	L63	L62 and algorithm$1 and statistical	11
☐	L62	L61 and (merg$3 or combin$3)	19
☐	L61	L60 and weight$1 and relevance and values	23
☐	L60	L59 and rank$3 and sort$3	57
☐	L59	L58 and @py<=2003	917
☐	L58	(search and engines).ti.	1408
☐	L57	L56 and rank$3 and sort$3	3
☐	L56	L55 and weight$1	22
☐	L55	(search near5 engines) and (curve near5 fitting) and @py<=2003	41
☐	L54	L53 and (query near5 rank$3)	10
☐	L53	L52 and relevance	10
☐	L52	L51 and (sort$3 same weight$3)	12
☐	L51	(search and engines and rank$3).ti,ab. and @py<=2003	164
☐	L50	(search and engines and regression).ti,ab. and @py<=2003	1
☐	L49	(search and engines and relevance and rank$3 and regression).ti,ab. and @py<=2003	0
☐	L48	(search and engines and relevance and rank$3 and regresion).ti,ab. and @py<=2003	0
☐	L47	L45 and (regression near5 analysis)	0

□	L46	L45 and (fitting near5 curves)	1
□	L45	L44 and (statistical near5 analysis)	28
□	L44	(search near5 engines) and (rank$3 near5 list) and sort$3 and weight$1 and relevance and @py<=2003	141
□	L43	L42 and curve and fitting	2
□	L42	L40 and (statistical near5 analysis)	23
□	L41	L40 and (estimat$3 near5 relevance) and (statistical near5 analysis)	0
□	L40	(rank$3 same sort$3) and algorithm$1 and (search near5 engines) and weight$3 and @py<=2003	173
□	L39	(search near5 result$1) same (curve near5 fitt$3)	2
□	L38	L36 and (curve near5 fitt$3)	0
□	L37	L36 and (curve neaer5 fitt$3)	0
□	L36	L35 and @py<=2003	631
□	L35	(rank$3) same (search engines)	1387
□	L34	L33 and regression	9
□	L33	L32 and rank$3	10
□	L32	L31 and weight$1	17
□	L31	(curve fitting) and (search engines) and @py<=2003	26
□	L30	(curve fitting) and (search engines) and rank$3 and scor$3 and @py<=2003	7
□	L29	(statistical near5 analysis) same (search near5 engines) and rank$3 and @py<=2003	7
□	L28	(statistical near5 analysis) same (search near5 engines) and rank$3 and sort$3 and weight$1 and @py<=2003	0
□	L27	(ranked lists) same (relevance near5 values) and (search near5 engines) and @py<=2003	2
□	L26	L25 and (linear near5 regression)	2
□	L25	L24 and (weight$3 near5 values)	40
□	L24	(search engines) same (rank$3 near5 list$1) and @py<=2003	162
□	L23	(search engines) same (rank$3 near5 list$1) and (relevance same rank) and regission	0
□	L22	(search engines) and (search near5 results) and algorithm$1 and statistics and curve and fitting and @py<=2003	4
□	L21	(search engines) and relevance and weight$1 and (curve near5 fitt$3) and @py<=2003	3
□	L20	(search engine$1) and (rank$3 near5 list$1) and Statistics and Curve and Fitting and regression	2
□	L19	(search engine$1) and (rank$3 near5 list$1) and sort$3 and merg$3 and weight$1 and Statistics and Curve and Fitting and regression	2
□	L18	L17 and (estimat$3 near5 factor$1)	1
□	L17	L16 and relevance	18
□	L16	L15 and (weight$1 near5 value$1)	25

☐	L15	((multiple) same (search engines)) and rank$3 and scor$3 and @py<=2003	181
☐	L14	(multiple) same (search engines) and rank$3 and scor$3 and @py<=2003	181
☐	L13	L10 and rank$3 and scor$3	1
☐	L12	L10 and rank$3 and scor$3 and weight$3 and relevance	0
☐	L11	L10 and rank$3 and scor$3 and weight$3 and relevance and search and result$1 and list$1	0
☐	L10	(multiple and search$1 and engine$1).ti. and @py<=2003	21
☐	L9	L8 and (category near5 weight$1)	7
☐	L8	L7 and (relevance near5 value$1)	57
☐	L7	(multiple and search$3 and engine$1 and rank$3 and sort$3 and weight$3) and @py<=2003	1056
☐	L6	L4 and (search near5 result$1)	2
☐	L5	L4 and (search near5 reult$1)	0
☐	L4	L3 and sort$3	12
☐	L3	L1 and estimat$3	12
☐	L2	L1 and (estimat$3 near5 value$1)	0
☐	L1	(search$3 and engine$1 and merg$3 and scor$3 and subset$1 and rank$3 and sort$3 and weight$4 and value$1 and relevance and regression) and @py<=2003	13

END OF SEARCH HISTORY

WEST Search History

| Hide Items | Restore | Clear | Cancel |

DATE: Wednesday, January 18, 2006

Hide?	Set Name	Query	Hit Count
		DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ	
☐	L13	L12 and (statistical near5 function$1)	1
☐	L12	(rank$3 near5 algorithm$1) and (rank$3 near5 function$1) and (relevan$2 near5 value$1) and @py<=2003	9
☐	L11	(search$3 and engine$1 and statistical and measurement$1 and graph$1 and sort$3 and weight$1 and function$1 and (compar$3 near5 rank$3) and (relevance near5 value$1)) and @py<=2003	1
☐	L10	(search$3 and engine$1 and statistical and measurement$1 and graph$1 and sort$3 and weight$1) and @py<=2003	334
☐	L9	(rank$3 and search$3 and engine$1 and (compar$3 near5 rank$3) and (rank$3 near5 function$1) and graph$1) and @py<=2003	11
☐	L8	L7 and (relevance near5 value$1)	2
☐	L7	L6 and algorithm$1	151
☐	L6	(search and engine$1 and compar$3 and rank$1 and scor$3 and curve$1 and function$1) and @py<=2003	163
☐	L5	(search and engine$1 and compar$3 and rank$1 and funtion$1) and @py<=2003	0
☐	L4	(search and engine$1 and compar$3 and rank$1 and graph$1 and funtion$1) and @py<=2003	0
☐	L3	(search and engine$1 and compar$3 and rank$1 and curve$1 and funtion$1) and @py<=2003	0
☐	L2	(search and engine$1 and compar$3 and rank$1 and scor$3 and curve$1 and funtion$1) and @py<=2003	0
☐	L1	(search and engine$1 and compar$3 and rank$1 and scor$3 and weight$1 and curve$1 and funtion$1) and @py<=2003	0

END OF SEARCH HISTORY

P❀RTAL
USPTO

search engines rank relevance value estimation curve fitting s❘   **SEARCH**

THE ACM DIGITAL LIBRARY

❡ Feedback Report a problem Satisfaction survey

Terms used
search engines rank relevance value estimation curve fitting sorting

Found **32,483** of **169,166**

Sort results by   `relevance` ▽
Display results   `expanded form` ▽

❤ Save results to a Binder
? Search Tips
☐ Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 20 of 200   Result page: **1** 2 3 4 5 6 7 8 9 10   next
Best 200 shown   Relevance scale ☐ ▭ ▬ ◼ ■

1 IR-1 (information retrieval): information retrieval models: Unified utility maximization   ■
framework for resource selection
Luo Si, Jamie Callan
November 2004 **Proceedings of the thirteenth ACM international conference on Information and knowledge management CIKM '04**
Publisher: ACM Press
Full text available: 🗎 pdf(174.30 KB)   Additional Information: full citation, abstract, references, index terms

This paper presents a unified utility framework for resource selection of distributed text information retrieval. This new framework shows an efficient and effective way to infer the probabilities of relevance of all the documents across the text databases. With the estimated relevance information, resource selection can be made by explicitly optimizing the goals of different applications. Specifically, when used for database recommendation, the selection is optimized for the goal of high-rec ...

Keywords: distributed information retrieval, resource selection

2 Shape-based retrieval and analysis of 3D models   ■
Thomas Funkhouser, Michael Kazhdan
August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**
Publisher: ACM Press
Full text available: 🗎 pdf(12.56 MB)   Additional Information: full citation, abstract

Large repositories of 3D data are rapidly becoming available in several fields, including mechanical CAD, molecular biology, and computer graphics. As the number of 3D models grows, there is an increasing need for computer algorithms to help people find the interesting ones and discover relationships between them. Unfortunately, traditional text-based search techniques are not always effective for 3D models, especially when queries are geometric in nature (e.g., find me objects that fit into thi ...

3 Evaluating collaborative filtering recommender systems   ■
Jonathan L. Herlocker, Joseph A. Konstan, Loren G. Terveen, John T. Riedl
January 2004 **ACM Transactions on Information Systems (TOIS)**, Volume 22 Issue 1
Publisher: ACM Press

Full text available: Additional Information: full citation, abstract, references, citings, index

pdf(253.92 KB)   terms

Recommender systems have been evaluated in many, often incomparable, ways. In this article, we review the key decisions in evaluating collaborative filtering recommender systems: the user tasks being evaluated, the types of analysis and datasets being used, the ways in which prediction quality is measured, the evaluation of prediction attributes other than quality, and the user-based evaluation of the system as a whole. In addition to reviewing the evaluation strategies used by prior researchers ...

Keywords: Collaborative filtering, evaluation, metrics, recommender systems

4 The SIFT information dissemination system

Tak W. Yan, Hector Garcia-Molina
December 1999 **ACM Transactions on Database Systems (TODS)**, Volume 24 Issue 4
Publisher: ACM Press

Full text available: pdf(220.77 KB)   Additional Information: full citation, abstract, references, citings, index terms

Information dissemination is a powerful mechanism for finding information in wide-area environments. An information dissemination server accepts long-term user queries, collects new documents from information sources, matches the documents against the queries, and continuously updates the users with relevant information. This paper is a retrospective of the Stanford Information Filtering Service (SIFT), a system that as of April 1996 was processing over 40,000 worldwide subscriptions and ov ...

Keywords: Boolean queries, dissemination, filtering, indexing, vector space queries

5 Special issue: Game-playing programs: theory and practice

M. A. Bramer
April 1982 **ACM SIGART Bulletin**, Issue 80
Publisher: ACM Press
Full text available: pdf(9.23 MB)   Additional Information: full citation, abstract

This collection of articles has been brought together to provide SIGART members with an overview of Artificial Intelligence approaches to constructing game-playing programs. Papers on both theory and practice are included.

6 Navigating in information spaces: Information foraging models of browsers for very large document spaces

Peter Pirolli, Stuart K. Card
May 1998 **Proceedings of the working conference on Advanced visual interfaces**
Publisher: ACM Press
Full text available: pdf(4.29 MB)   Additional Information: full citation, abstract, references, citings

Information Foraging (IF) Theory addresses user strategies and technology for seeking, gathering, and using on-line information. We present IF-based models and evaluations of two interfaces: the Scatter/Gather browser for large document collections, and the Butterfly interface for surfing the citation link structure of scientific literatures. A computational cognitive model, ACT-IF, models observed users by assuming that they have heuristics that optimize their information foraging behavior in a ...

Keywords: cognitive models, information foraging theory, information retrieval

7 MEGA---the maximizing expected generalization algorithm for learning complex

query concepts

Edward Chang, Beitao Li

October 2003 **ACM Transactions on Information Systems (TOIS)**, Volume 21 Issue 4

Publisher: ACM Press

Full text available: pdf(1.34 MB)   Additional Information: full citation, abstract, references, citings, index terms

Specifying exact query concepts has become increasingly challenging to end-users. This is because many query concepts (e.g., those for looking up a multimedia object) can be hard to articulate, and articulation can be subjective. In this study, we propose a query-concept learner that learns query criteria through an intelligent sampling process. Our concept learner aims to fulfill two primary design objectives: (1) it has to be expressive in order to model most practical query concepts and (2) i ...

Keywords: Active learning, data mining, query concept, relevance feedback

8   Special issue: AI in engineering

D. Sriram, R. Joobbani

April 1985 **ACM SIGART Bulletin**, Issue 92

Publisher: ACM Press

Full text available: pdf(8.79 MB)   Additional Information: full citation, abstract

The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

9   Boosting for document routing

Raj D. Iyer, David D. Lewis, Robert E. Schapire, Yoram Singer, Amit Singhal

November 2000 **Proceedings of the ninth international conference on Information and knowledge management**

Publisher: ACM Press

Full text available: pdf(263.57 KB)   Additional Information: full citation, references, citings, index terms

Keywords: boosting, ranking, routing, supervised learning, text representation

10   Text categorization: Using asymmetric distributions to improve text classifier probability estimates

Paul N. Bennett

July 2003 **Proceedings of the 26th annual international ACM SIGIR conference on Research and development in informaion retrieval**

Publisher: ACM Press
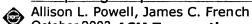
Full text available: pdf(281.97 KB)   Additional Information: full citation, abstract, references, citings, index terms

Text classifiers that give probability estimates are more readily applicable in a variety of scenarios. For example, rather than choosing one set decision threshold, they can be used in a Bayesian risk model to issue a run-time decision which minimizes a user-specified cost function dynamically chosen at prediction time. However, the quality of the probability estimates is crucial. We review a variety of standard approaches to converting scores (and poor probability estimates) from text classifi ...

Keywords: active learning, classifier combination, cost-sensitive learning, text

classification

11 Comparing the performance of collection selection algorithms

Allison L. Powell, James C. French

October 2003 **ACM Transactions on Information Systems (TOIS)**, Volume 21 Issue 4

Publisher: ACM Press

Full text available: pdf(668.40 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

The proliferation of online information resources increases the importance of effective and efficient information retrieval in a multicollection environment. Multicollection searching is cast in three parts: collection selection (also referred to as database selection), query processing and results merging. In this work, we focus our attention on the evaluation of the first step, collection selection.In this article, we present a detailed discussion of the methodology that we used to evaluate an ...

Keywords: Collection selection, database selection, distributed information retrieval, distributed text retrieval, metasearch engine, resource discovery, resource ranking, resource selection, server ranking, server selection, text retrieval

12 Three-dimensional medical imaging: algorithms and computer systems

M. R. Stytz, G. Frieder, O. Frieder

December 1991 **ACM Computing Surveys (CSUR)**, Volume 23 Issue 4

Publisher: ACM Press

Full text available: pdf(7.38 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>, <u>review</u>

Keywords: Computer graphics, medical imaging, surface rendering, three-dimensional imaging, volume rendering

13 Modeling score distributions for combining the outputs of search engines

R. Manmatha, T. Rath, F. Feng

September 2001 **Proceedings of the 24th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: pdf(236.39 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

In this paper the score distributions of a number of text search engines are modeled. It is shown empirically that the score distributions on a per query basis may be fitted using an exponential distribution for the set of non-relevant documents and a normal distribution for the set of relevant documents. Experiments show that this model fits TREC-3 and TREC-4 data for not only probabilistic search engines like INQUERY but also vector space search engines like SMART for English. We have als ...

14 Research session: DB and IR #2: Shuffling a stacked deck: the case for partially randomized ranking of search engine results

Sandeep Pandey, Sourashis Roy, Christopher Olston, Junghoo Cho, Soumen Chakrabarti

August 2005 **Proceedings of the 31st international conference on Very large data bases VLDB '05**
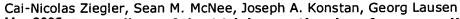
Publisher: VLDB Endowment

Full text available: 📄 pdf(193.25 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

In-degree, PageRank, number of visits and other measures of Web page popularity significantly influence the ranking of search results by modern search engines. The assumption is that *popularity* is closely correlated with *quality*, a more elusive concept that is difficult to measure directly. Unfortunately, the correlation between popularity and quality is very weak for newly-created pages that have yet to receive many visits and/or in-links. Worse, since discovery of new content is ...

15 <u>Usage analysis: Improving recommendation lists through topic diversification</u> ▬

Cai-Nicolas Ziegler, Sean M. McNee, Joseph A. Konstan, Georg Lausen
May 2005 **Proceedings of the 14th international conference on World Wide Web**
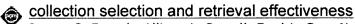**Publisher:** ACM Press
Full text available: 📄 pdf(298.18 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

In this work we present topic diversification, a novel method designed to balance and diversify personalized recommendation lists in order to reflect the user's complete spectrum of interests. Though being detrimental to average accuracy, we show that our method improves user satisfaction with recommendation lists, in particular for lists generated using the common item-based collaborative filtering algorithm.Our work builds upon prior research on recommender systems, looking at properties of re ...

Keywords: accuracy, collaborative filtering, diversification, metrics, recommender systems

16 <u>Distributed Information Retrieval: Exploiting a controlled vocabulary to improve</u> ▬
<u>collection selection and retrieval effectiveness</u>

James C. French, Allison L. Powell, Fredric Gey, Natalia Perelman
October 2001 **Proceedings of the tenth international conference on Information and knowledge management**
Publisher: ACM Press
Full text available: 📄 pdf(1.47 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Vocabulary incompatibilities arise when the terms used to index a document collection are largely unknown, or at least not well-known to the users who eventually search the collection. No matter how comprehensive or well-structured the indexing vocabulary, it is of little use if it is not used effectively in query formulation. This paper demonstrates that techniques for mapping user queries into the controlled indexing vocabulary have the potential to radically improve document retrieval perform ...

17 <u>Enhanced hypertext categorization using hyperlinks</u> ▬

Soumen Chakrabarti, Byron Dom, Piotr Indyk
June 1998 **ACM SIGMOD Record , Proceedings of the 1998 ACM SIGMOD international conference on Management of data SIGMOD '98**, Volume 27 Issue 2
Publisher: ACM Press

Full text available: 📄 pdf(1.91 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

A major challenge in indexing unstructured hypertext databases is to automatically extract meta-data that enables structured search using topic taxonomies, circumvents keyword ambiguity, and improves the quality of search and profile-based routing and filtering. Therefore, an accurate classifier is an essential component of a hypertext database. Hyperlinks pose new problems not addressed in the extensive text classification literature. Links clearly contain high-quality semantic clues that ...

18 <u>Collision detection and proximity queries</u> ▬

Sunil Hadap, Dave Eberle, Pascal Volino, Ming C. Lin, Stephane Redon, Christer Ericson
August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**
Publisher: ACM Press
Full text available: 📄 pdf(11.22 MB)   Additional Information: full citation, abstract

This course will primarily cover widely accepted and proved methodologies in collision detection. In addition more advanced or recent topics such as continuous collision detection, ADFs, and using graphics hardware will be introduced. When appropriate the methods discussed will be tied to familiar applications such as rigid body and cloth simulation, and will be compared. The course is a good overview for those developing applications in physically based modeling, VR, haptics, and robotics.

19 Learning I: Mean version space: a new active learning method for content-based image retrieval   ◼
Jingrui He, Hanghang Tong, Mingjing Li, Hong-Jiang Zhang, Changshui Zhang
October 2004 **Proceedings of the 6th ACM SIGMM international workshop on Multimedia information retrieval**
Publisher: ACM Press
Full text available: 📄 pdf(360.62 KB)   Additional Information: full citation, abstract, references, index terms

In content-based image retrieval, relevance feedback has been introduced to narrow the gap between low-level image feature and high-level semantic concept. Furthermore, to speed up the convergence to the query concept, several active learning methods have been proposed instead of random sampling to select images for labeling by the user. In this paper, we propose a novel active learning method named mean version space, aiming to select the optimal image in each round of relevance feedback. Fi ...

Keywords: active learning, content-based image retrieval, relevance feedback, version space

20 Web search 3: Learning to estimate query difficulty: including applications to missing content detection and distributed information retrieval   ◼
Elad Yom-Tov, Shai Fine, David Carmel, Adam Darlow
August 2005 **Proceedings of the 28th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '05**
Publisher: ACM Press
Full text available: 📄 pdf(378.98 KB)   Additional Information: full citation, abstract, references, index terms

In this article we present novel learning methods for estimating the quality of results returned by a search engine in response to a query. Estimation is based on the agreement between the top results of the full query and the top results of its sub-queries. We demonstrate the usefulness of quality estimation for several applications, among them improvement of retrieval, detecting queries for which no relevant content exists in the document collection, and distributed information retrieval. Expe ...

Keywords: query difficulty estimation

Results 1 - 20 of 200   Result page: **1** 2 3 4 5 6 7 8 9 10   next

Useful downloads: 📄 Adobe Acrobat   ◎ QuickTime   ▣ Windows Media Player   ▶ Real Player

P⊕RTAL
USPTO

Search: ⊙ The ACM Digital Library   ○ The Guide

estimating relevance values multiple search engines sorting   **SEARCH**

THE ACM DIGITAL LIBRARY

¶ Feedback Report a problem Satisfaction survey

Terms used
estimating relevance values multiple search engines sorting

Found **61,628** of **169,166**

Sort results by | relevance ▽ | ❖ Save results to a Binder
Display results | expanded form ▽ | ? Search Tips
                                            ☐ Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 20 of 200   Result page: **1** 2 3 4 5 6 7 8 9 10   next
Best 200 shown   Relevance scale ☐ ☐ ☐ ■ ■

1 Research session: DB and IR #1: An efficient and versatile query engine for TopX search   ■
Martin Theobald, Ralf Schenkel, Gerhard Weikum
August 2005 **Proceedings of the 31st international conference on Very large data bases VLDB '05**
Publisher: VLDB Endowment
Full text available: 📄 pdf(442.21 KB)   Additional Information: full citation, abstract, references, index terms

> This paper presents a novel engine, coined *TopX*, for efficient ranked retrieval of XML documents over semistructured but nonschematic data collections. The algorithm follows the paradigm of threshold algorithms for top-k query processing with a focus on inexpensive sequential accesses to index lists and only a few judiciously scheduled random accesses. The difficulties in applying the existing top-k algorithms to XML data lie in 1) the need to consider scores for XML elements while aggreg ...

2 Searching the Web   ■
August 2001 **ACM Transactions on Internet Technology (TOIT)**, Volume 1 Issue 1
Publisher: ACM Press
Full text available: 📄 pdf(319.98 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

> We offer an overview of current Web search engine design. After introducing a generic search engine architecture, we examine each engine component in turn. We cover crawling, local Web page storage, indexing, and the use of link analysis for boosting search performance. The most common design and implementation techniques for each of these components are presented. For this presentation we draw from the literature and from our own experimental search engine testbed. Emphasis is on introduci ...

> **Keywords**: HITS, PageRank, authorities, crawling, indexing, information retrieval, link analysis, search engine

3 Comparing the performance of collection selection algorithms   ■
Allison L. Powell, James C. French
October 2003 **ACM Transactions on Information Systems (TOIS)**, Volume 21 Issue 4
Publisher: ACM Press

Additional Information: full citation, abstract, references, citings, index

Full text available: pdf(668.40 KB)   terms

The proliferation of online information resources increases the importance of effective and efficient information retrieval in a multicollection environment. Multicollection searching is cast in three parts: collection selection (also referred to as database selection), query processing and results merging. In this work, we focus our attention on the evaluation of the first step, collection selection.In this article, we present a detailed discussion of the methodology that we used to evaluate an ...

Keywords: Collection selection, database selection, distributed information retrieval, distributed text retrieval, metasearch engine, resource discovery, resource ranking, resource selection, server ranking, server selection, text retrieval

4 Efficient and effective metasearch for text databases incorporating linkages among documents

Clement Yu, Weiyi Meng, Wensheng Wu, King-Lup Liu
May 2001 **ACM SIGMOD Record , Proceedings of the 2001 ACM SIGMOD international conference on Management of data SIGMOD '01**, Volume 30 Issue 2
Publisher: ACM Press

Full text available: pdf(245.22 KB)   Additional Information: full citation, abstract, references, citings, index terms

Linkages among documents have a significant impact on the importance of documents, as it can be argued that important documents are pointed to by many documents or by other important documents. Metasearch engines can be used to facilitate ordinary users for retrieving information from multiple local sources (text databases). There is a search engine associated with each database. In a large-scale metasearch engine, the contents of each local database is represented by a representative. Each u ...

Keywords: distributed collection, information retrieval, linkages among documents, metasearch

5 Optimizing result prefetching in web search engines with segmented indices

Ronny Lempel, Shlomo Moran
February 2004 **ACM Transactions on Internet Technology (TOIT)**, Volume 4 Issue 1
Publisher: ACM Press
Full text available: pdf(183.97 KB)   Additional Information: full citation, abstract, references, index terms

We study the process in which search engines with segmented indices serve queries. In particular, we investigate the number of result pages that search engines should prepare during the query processing phase.Search engine users have been observed to browse through very few pages of results for queries that they submit. This behavior of users suggests that prefetching many results upon processing an initial query is not efficient, since most of the prefetched results will not be requested by the ...

Keywords: Distributed inverted indices, prefetching, search engines

6 Search 1: Expert agreement and content based reranking in a meta search environment using Mearf

B. Uygar Oztekin, George Karypis, Vipin Kumar
May 2002 **Proceedings of the 11th international conference on World Wide Web**
Publisher: ACM Press

Full text available: pdf(509.92 KB)   Additional Information: full citation, abstract, references, citings, index terms

Recent increase in the number of search engines on the Web and the availability of meta search engines that can query multiple search engines makes it important to find effective methods for combining results coming from different sources. In this paper we introduce novel methods for reranking in a meta search environment based on expert agreement and contents of the snippets. We also introduce an objective way of evaluating different methods for ranking search results that is based upon implici ...

Keywords: collection fusion, expert agreement, merging, meta search, reranking

7 <u>Fast detection of communication patterns in distributed executions</u>   ■

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Publisher: IBM Press

Full text available: 📄 <u>pdf(4.21 MB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

8 <u>Learning search engine specific query transformations for question answering</u>   ■

Eugene Agichtein, Steve Lawrence, Luis Gravano

April 2001 **Proceedings of the 10th international conference on World Wide Web**

Publisher: ACM Press

Full text available: 📄 <u>pdf(205.68 KB)</u>   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Keywords: information retrieval, query expansion, question answering, web search

9 <u>Special issue on knowledge representation</u>   ■

Ronald J. Brachman, Brian C. Smith

February 1980 **ACM SIGART Bulletin**, Issue 70

Publisher: ACM Press

Full text available: 📄 <u>pdf(13.13 MB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>

In the fall of 1978 we decided to produce a special issue of the SIGART Newsletter devoted to a survey of current knowledge representation research. We felt that there were twe useful functions such an issue could serve. First, we hoped to elicit a clear picture of how people working in this subdiscipline understand knowledge representation research, to illuminate the issues on which current research is focused, and to catalogue what approaches and techniques are currently being developed. Secon ...

10 <u>Shape-based retrieval and analysis of 3D models</u>   ■

Thomas Funkhouser, Michael Kazhdan

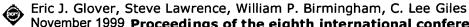August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

Publisher: ACM Press

Full text available: 📄 <u>pdf(12.56 MB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>

Large repositories of 3D data are rapidly becoming available in several fields, including

mechanical CAD, molecular biology, and computer graphics. As the number of 3D models grows, there is an increasing need for computer algorithms to help people find the interesting ones and discover relationships between them. Unfortunately, traditional text-based search techniques are not always effective for 3D models, especially when queries are geometric in nature (e.g., find me objects that fit into thi ...

11 Architecture of a metasearch engine that supports user information needs

Eric J. Glover, Steve Lawrence, William P. Birmingham, C. Lee Giles
November 1999 **Proceedings of the eighth international conference on Information and knowledge management**
Publisher: ACM Press

Full text available: pdf(858.64 KB)   Additional Information: full citation, abstract, references, citings, index terms

When a query is submitted to a metasearch engine, decisions are made with respect to the underlying search engines to be used, what modifications will be made to the query, and how to score the results. These decisions are typically made by considering only the user's keyword query, neglecting the larger information need. Users with specific needs, such as "research papers" or "homepages," are not able to express these needs in a way that affects the decisions made b ...

12 Research sessions: Web, XML and IR: FleXPath: flexible structure and full-text querying for XML

Sihem Amer-Yahia, Laks V. S. Lakshmanan, Shashank Pandit
June 2004 **Proceedings of the 2004 ACM SIGMOD international conference on Management of data**
Publisher: ACM Press

Full text available: pdf(437.86 KB)   Additional Information: full citation, abstract, references, citings

Querying XML data is a well-explored topic with powerful database-style query languages such as XPath and XQuery set to become W3C standards. An equally compelling paradigm for querying XML documents is full-text search on textual content. In this paper, we study fundamental challenges that arise when we try to integrate these two querying paradigms.While keyword search is based on approximate matching, XPath has exact match semantics. We address this mismatch by considering queries on structure ...

13 Distributed information retrieval: Relevant document distribution estimation method for resource selection

Luo Si, Jamie Callan
July 2003 **Proceedings of the 26th annual international ACM SIGIR conference on Research and development in informaion retrieval**
Publisher: ACM Press

Full text available: pdf(210.99 KB)   Additional Information: full citation, abstract, references, citings, index terms

Prior research under a variety of conditions has shown the CORI algorithm to be one of the most effective resource selection algorithms, but the range of database sizes studied was not large. This paper shows that the CORI algorithm does not do well in environments with a mix of "small" and "very large" databases. A new resource selection algorithm is proposed that uses information about database sizes as well as database contents. We also show how to acquire database size estimates in uncoopera ...

Keywords: resource selection

14 Computing curricula 2001

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Publisher: ACM Press
Full text available: pdf(613.63 KB)
html(2.78 KB)   Additional Information: full citation, references, citings, index terms

15   Special issue: AI in engineering

D. Sriram, R. Joobbani
April 1985 **ACM SIGART Bulletin**, Issue 92
Publisher: ACM Press
Full text available: pdf(8.79 MB)   Additional Information: full citation, abstract

The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

16   GIOSS: text-source discovery over the Internet

Luis Gravano, Héctor García-Molina, Anthony Tomasic
June 1999 **ACM Transactions on Database Systems (TODS)**, Volume 24 Issue 2
Publisher: ACM Press

Full text available: pdf(230.37 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

The dramatic growth of the Internet has created a new problem for users: location of the relevant sources of documents. This article presents a framework for (and experimentally analyzes a solution to) this problem, which we call the text-source discovery problem. Our approach consists of two phases. First, each text source exports its contents to a centralized service. Second, users present queries to the service, which returns an ordered list of promising text sources. T ...

Keywords: Internet search and retrieval, digital libraries, distributed information retrieval, text databases

17   Evaluating top-k queries over web-accessible databases

Amélie Marian, Nicolas Bruno, Luis Gravano
June 2004 **ACM Transactions on Database Systems (TODS)**, Volume 29 Issue 2
Publisher: ACM Press
Full text available: pdf(1.03 MB)   Additional Information: full citation, abstract, references, index terms

A query to a web search engine usually consists of a list of keywords, to which the search engine responds with the best or "top" k pages for the query. This top-k query model is prevalent over multimedia collections in general, but also over plain relational data for certain applications. For example, consider a relation with information on available restaurants, including their location, price range for one diner, and overall food rating. A user who queries such a relation might ...

Keywords: Parallel query processing, query optimization, top-k query processing, web databases.

18   Learning to find answers to questions on the Web

Eugene Agichtein, Steve Lawrence, Luis Gravano
May 2004 **ACM Transactions on Internet Technology (TOIT)**, Volume 4 Issue 2
Publisher: ACM Press

Full text available: pdf(4.49 MB)   Additional Information: full citation, abstract, references, index terms

We introduce a method for learning to find documents on the Web that contain answers to a given natural language question. In our approach, questions are transformed into new queries aimed at maximizing the probability of retrieving answers from existing information retrieval systems. The method involves automatically learning phrase features for classifying questions into different types, automatically generating candidate query transformations from a training set of question/answer pairs, and ...

Keywords: Web search, information retrieval, meta-search, query expansion, question answering

19 Image Retrieval from the World Wide Web: Issues, Techniques, and Systems

M. L. Kherfi, D. Ziou, A. Bernardi
March 2004 **ACM Computing Surveys (CSUR)**, Volume 36 Issue 1
Publisher: ACM Press
Full text available: pdf(294.13 KB)   Additional Information: full citation, abstract, references, index terms

With the explosive growth of the World Wide Web, the public is gaining access to massive amounts of information. However, locating needed and relevant information remains a difficult task, whether the information is textual or visual. Text search engines have existed for some years now and have achieved a certain degree of success. However, despite the large number of images available on the Web, image search engines are still rare. In this article, we show that in order to allow people to profi ...

Keywords: Image-retrieval, World Wide Web, crawling, feature extraction and selection, indexing, relevance feedback, search, similarity

20 A survey of Web metrics

Devanshu Dhyani, Wee Keong Ng, Sourav S. Bhowmick
December 2002 **ACM Computing Surveys (CSUR)**, Volume 34 Issue 4
Publisher: ACM Press
Full text available: pdf(289.28 KB)   Additional Information: full citation, abstract, references, citings, index terms

The unabated growth and increasing significance of the World Wide Web has resulted in a flurry of research activity to improve its capacity for serving information more effectively. But at the heart of these efforts lie implicit assumptions about "quality" and "usefulness" of Web resources and services. This observation points towards measurements and models that quantify various attributes of web sites. The science of measuring all aspects of information, especially its storage and retrieval or ...

Keywords: Information theoretic, PageRank, Web graph, Web metrics, Web page similarity, quality metrics

Results 1 - 20 of 200   Result page: **1** 2 3 4 5 6 7 8 9 10   next

CiteSeer Find: search engine estimating relevance | **Documents** | **Citations**

Searching for **PHRASE search engine estimating relevance**.
Restrict to: Header Title Order by: Expected citations Hubs Usage Date Try: Google (CiteSeer)
Google (Web) Yahoo! MSN CSB DBLP
No documents match Boolean query. Trying non-Boolean relevance query.
500 documents found. **Order: relevance to query.**

Linguistics With Enriching Statistics: Performance Models Of.. - Bod (1995)   (Correct)
Estimating the most probable parse by Monte Carlo **search** 50 4.2.3 Psychological **relevance** of Monte Carlo
to motivate a statistical approach from an **engine**ering point of view. Statistical extensions of
to finding the most probable parse 48 4.2.2 **Estimating** the most probable parse by Monte Carlo **search**
www.wins.uva.nl/research/illc/Publications/Lists/../Dissertations/DS-1995-14.text.ps.gz

Probability Estimation in face of Irrelevant Information - Grove, Koller   (Correct)
classes, but in the very limited context of **search** trees. Etzioni's work [Etzioni, 1989a]on
Probability **Estimation** in face of Irrelevant Information Adam J.
Data, As Well As Less Precise Notions About **Relevance** That The Designer Might Have. 2 The Underlying
robotics.stanford.edu/people/daphne/papers/uai91.ps

Explanation in Probabilistic Systems: Is It Feasible? Will It Work? - Druzdzel (1996)   (Correct)   (1 citation)
the same property of uncertain models and involve **search**ing for the most probable deterministic state of
Abstract. Reasoning within such domains as **engine**ering, science, management, or medicine is
rely on rules of thumb, or heuristics, in their **estimat**ions of the likelihood of uncertain events. These
www.pitt.edu/~druzdzel/abstracts/../psfiles/wis96.ps

The Role of Evaluation in the Development of Content-Based.. - de Vries   (Correct)
for measuring the e#ectiveness of multimedia **search** techniques. Precision and recall types of metrics
University of Singapore. They developed **search engines** for retrieval of faces (FACEit) and trademarks
ImageRover [STC97]Their fleet of 32 robots is **estimat**ed to collect approximately 1 million images
wwwis.cs.utwente.nl:8080/~arjen/mmdb/../Pics/eval.ps.gz

Automated Classification Of Encounter Notes In A Computer Based.. - Aronow (1994)   (Correct)   (2 citations)
than 80%with a new enhancement to INQUERY's **relevance** feedback the top performer. Refinement of the
of them as relevant. INQUERY can then use these **relevance** judgments to expand the initial query and
the small collection size and the large number of **relevance** judgments. In addition, the notion of
cobar.cs.umass.edu/pubfiles/ir-67.ps.gz

Improving the Retrieval Effectiveness by a Similarity Thesaurus - Qiu, Frei (1994)   (Correct)
browse through the similarity thesaurus to find **search** terms, or the similarity thesaurus can be used
following factors are taken into account when we **estimate** these weights: ffl A short document plays a
terms (Grefenstette, 1992 Ruge, 1992)ffl User **relevance** information is used to build up pseudo-thesauri
ftp.inf.ethz.ch/pub/publications/tech-reports/2xx/225.ps.gz

Optimum Database Selection in Networked IR - Fuhr (1996)   (Correct)   (4 citations)
a query, for each database D i the broker **estimates** a function C r i (n) giving the specific costs
do not refer explicitly to the concept of **relevance**. Instead, the only thing that can be shown is a
results of an application of the model and the **relevance** judgements given by the users. Only
ls6.informatik.uni-dortmund.de/ir/doc/reports/96/Fuhr-96a.ps.gz

TREC-5 Interactive Track Report - Over (1997)   (Correct)   (11 citations)
Track in TREC5 was the investigation of **search**ing as an interactive task by examining the
and discusses unexpected disagreements between **relevance** and aspectual assessment performed by the NIST
required two sorts of assessments: traditional **relevance** assessment and a new aspectual assessment.
trec.nist.gov/pubs/trec5/papers/trackreport.ps

Using Mutual Information to determine Relevance in Bayesian.. - Nicholson And (1998)   (Correct)   (1 citation)
to binary nodes. Draper [8] uses arc weights to **search** for the best nodes to include in the active set
N. Jitnah School of Computer Science and Software **Engine**ering, Monash University, Clayton, VIC 3168,

appropriate formulas to calculate a heuristic **estimate** (Sect. 5)An experiment was conducted to
ftp.cs.monash.edu.au/pub/annn/PRICAI98-NJ.ps

Fusion Via a Linear Combination of Scores - Vogt, Cottrell (1999)   (Correct)   (9 citations)
the Word Wide Web has spawned a proliferation of **search engines**. Combining them would allow one to
And Garrison W. Cottrell Computer Science And **Engineering**, University Of California San Diego, La
one feature per system -typically the system's **estimate** of the document's probability of **relevance**. As
www-cse.ucsd.edu/users/vogt/papers/lincomb/lincomb.ps

MULINEX - Multilingual Indexing, Navigation and Editing .. - Erbach, Neumann..   (Correct)
of the project is to provide multilingual **search**, retrieval and navigation functionalities for the
in the Telematics Application Programme (Language **Engineering** Sector) of the European Union. The goal of
context to enable an accurate translation. 2.2.3 **Relevance** Feedback with Parallel Texts **Relevance**
www.ee.umd.edu/medlab/filter/sss/papers/erbach2.ps

Xerox Site Report: Four TREC-4 Tracks - Hearst, Pedersen, Pirolli.. (1996)   (Correct)   (3 citations)
very best performance possible assuming an expert **searcher**. These efforts are described in more detail in
track consisted of obtaining probability **estimates** for the remaining classifiers and reporting
statistical classifier to assess the **relevance** of new test documents. This year, we built on
parcftp.xerox.com/pub/hearst/trec4.ps.gz

On the Foundations of Information Retrieval - Mizzaro (1996)   (Correct)
systems available on Internet (the so called '**search engines**'but they have also experienced how
available on Internet (the so called '**search engines**'but they have also experienced how often the
concepts like information, information need and **relevance** are neither well understood nor formally
www.dimi.uniud.it/~mizzaro/papers/AICA96.ps.gz

Automatic Task Planning for Robot Vision - Triggs, Laugier   (Correct)
of quality wherever possible, and by using global **search** to ensure that possible solutions are not
they work as follows: ffl The viewpoint assessor **estimates** the quality of a single prospective camera
www.inrialpes.fr/movi/people/Triggs/isrr95.ps.gz

Networked Information Retrieval as Distributed Problem Solving - Oates, Prasad, Lesser (1994)   (Correct)
(1 citation)
a query may be found, or to effectively manage the **search** for information so as to minimize resource usage
implemented aspects of FA/C that have direct **relevance** to the DIIR task. Decker and Lesser[6, 7]
archive.cs.umbc.edu/pub/cikm/1994/iia/papers/oates.ps

Structuring Architectural Topologies for Real-Time.. - Nicholson, Burns (1997)   (Correct)
employed to aid the designers of SC-RTS in their **search** for an architectural topology that will meet the
Priority-Based Scheduling: An Appropriate **Engineering** Approach. In Advances in Real-Time Systems,
fitness component for the cost of the topology is **estimated** to be 1616 for hardware and 560 units for
www.cs.york.ac.uk/ftpdir/reports/YCS-97-284.ps.Z

Design of a Distributed Planetary Image Data Archive Based on.. - Rehatschek   (Correct)
data archives distributed all over the world. The **search**ing for specific data suffers from lack of using
[37]IETF (Internet **Engineering** Task Force)Working group for internet
www.icg.tu-
graz.ac.at/rsgroup/staff/rehatschek/publications/visual97/DesignOfADistributedPlanetaryImageArchiveBasedOnAn

Some Experimental Results in Multistrategy Navigation Planning - Goel, Ali, Stoulia (1995)   (Correct)
more efficiently than the model-based strategy of **search** without any loss in the quality of plans or
multistrategy navigation planning in visually **engineered** physical spaces containing discrete pathways:
ftp.cc.gatech.edu/pub/coc/tech_reports/1995/GIT-CC-95-51.ps.Z

Logic, Modeling, and Programming - McAloon, Tretkoff (1997)   (Correct)
treatment of goal programming, hybrid MIP/local **search** algorithms, libraries for distributed
and model management can be abetted by software **engineering** techniques. In this paper, by means of
by 20.0, the threshold, will give a conservative **estimate** of how much the objective function will
www.sci.brooklyn.cuny.edu/~lbslab/ftp/doc/bannals.ps

Identification of Linguistic Fuzzy Models by Means of Genetic .. - Cordon, Herrera   (Correct)
of EAs. The most well known EAs are the GAs, i.e.**search** algorithms that use operations found in natural
processing, fuzzy control and classification, **engine**ering processes, biology, artificial life, machine
the next step is to determine its structure and **estimate** its parameters. This is done in three steps.
decsai.ugr.es/pub/arai/tech_rep/ga-fl/hel.ps.Z

First 20 documents   Next 20

Try your query at: Google (CiteSeer)   Google (Web)   Yahoo!   MSN   CSB   DBLP

CiteSeer.IST - Copyright Penn State and NEC